E. coli Non-methylated Genomic DNA

Cat. Nos. D5016

Storage: -20 °C

Product Information

Description:
The E. coli Non-methylated Genomic DNA contains DNA purified from a K-12 E. coli strain which is Dam⁻ and Dcm⁻ (1).

Application:
- Negative control for epigenetic experiments requiring DNA containing zero background levels of cytosine and adenosine methylation.
- Substrate for DNA methylation-sensitive restriction enzyme digestions

Product Contents:

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<th>Product Name</th>
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<td>E. coli Non-methylated Genomic DNA</td>
<td>5 µg/20 µl</td>
<td>-20 °C</td>
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Concentration:
250 ng/µl in TE buffer (10 mM Tris-HCl, 1 mM EDTA, pH 8.0)

Source:
Escherichia coli strain ER2925* (Dam⁻ and Dcm⁻)

Genotype (2):
ara-14 leuB6 thiA31 lacY1 tsa78 glnV44 gaiK2 galT22 mcrA dcm-6 hisG4 rfbD1 R:bgb210::Tn10 TolS endA1 rpsL136 dam13 ::Tn9 xylA-5 met-1 thi-1 mcrB1 hsdR2

References:
2. For definitions of genes and mutations, please visit the E. coli Genetic Stock Center (CGSC) at <http://cgsc.biology.yale.edu>.

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This product is for research use only and should only be used by trained professionals. Wear protective gloves and eye protection. Follow the safety guidelines and rules enacted by your research institution or facility.